

## Section 1-7: Misleading Graphs and Statistics

**By the end of this lesson, you should be able to answer:**

- How can a graph can be misleading?
- How is the use of the word "average" misleading?

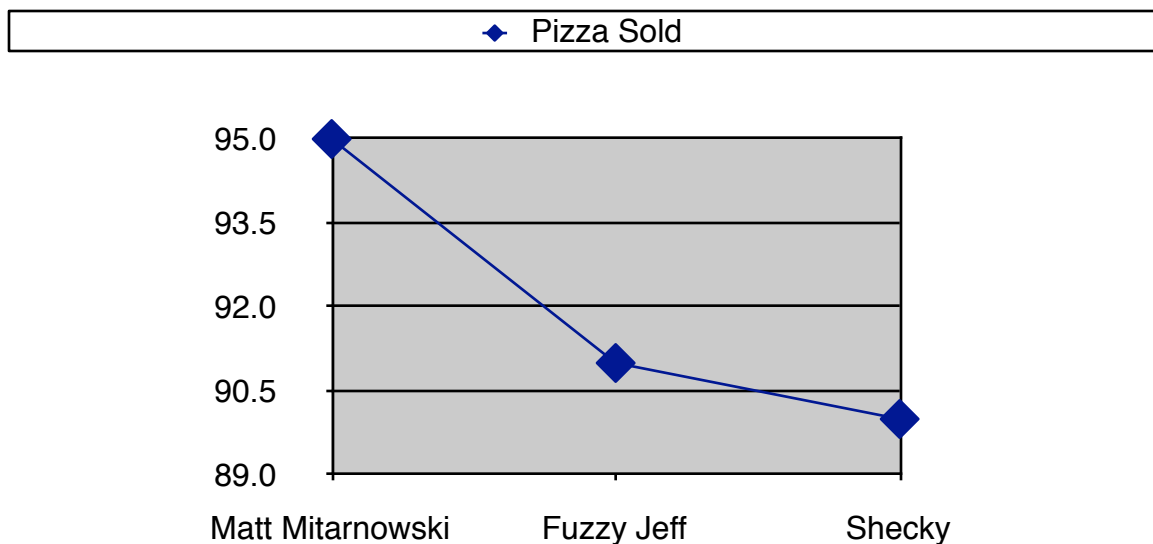
**Where you might see this in the real world:**

- Insurance, business, advertising, market research

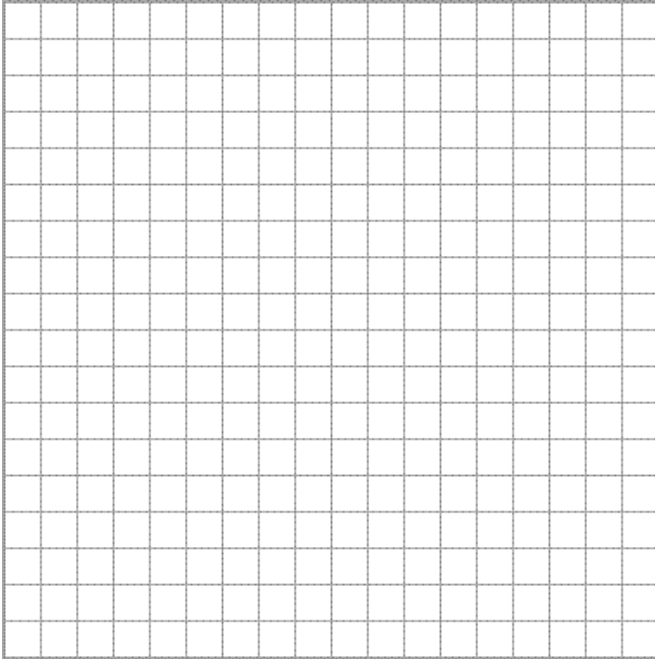
Define the following terms:

1. Misleading data

Example 1: Matt Mitarnowski's Pizza Place says that they double the sales of Fuzzy Jeff's House of Pizza and Shecky's Pizza Shack. They even created a chart to show this idea, as shown below.



Use the space below to describe what is wrong with the statement above? Then, on the back, make a graph to accurately show the sales. You can use a different type of graph.



Edmodo Post: Find a graph online that is misleading. Copy and paste the link into a new post on edmodo (don't post one someone else already has). State why you believe it to be misleading. There are TONS of graphs out there that are misleading!

Problem Set:

"It is always easier to believe than to deny. Our minds are naturally affirmative." –  
John Burroughs